

AMENDMENTS TO THE CLAIMS

1. (Cancelled)

2. (Cancelled)

3. (Original) A lighting control system, comprising two or more lighting devices and one or more illumination comparing devices,

wherein the illumination comparing device is provided with an illumination sampling portion that samples illumination, an illumination information storage portion that stores illumination information indicating a target illumination, and a comparison result transmitter portion, wherein a comparison result in which a sampled illumination sampled by the illumination sampling portion and the illumination information are compared is transmitted to the lighting devices by the comparison result transmitter portion,

the lighting devices are respectively provided with a transmitter-receiver portion having at least a receiver function, a judgment control portion, and a light source; the transmitter-receiver portion receives the comparison result sent by the illumination comparing device; the judgment control portion carries out a predetermined judgment based on the comparison result so that the light intensity of the light source can be controlled based on a result of the predetermined judgment, and the control of the light intensity includes light variation control in which the light intensity is changed from a current light intensity by a predetermined amount of light variation and return control in which a light intensity is returned to a direction reverse to the light variation control, and

when the predetermined judgment of the selected lighting device is that a predetermined condition is met after at least one lighting device selected from the lighting devices has carried out the light variation control, a lighting device including at least one lighting device other than the selected lighting device is selected and the light variation control and the predetermined judgment using the judgment control portion are carried out in the selected lighting device, and when the predetermined judgment after the light variation control is that the predetermined condition is unmet, in order to meet the predetermined condition, the lighting device including at least one of the

selected lighting devices carries out the return control to make the sampled illumination approach the target illumination.

4. (Original) The lighting control system according to claim 3,
wherein when the predetermined condition is unmet, a light intensity of a lighting device including at least one of the selected lighting devices is changed by the return control and, after the predetermined condition becomes met, the sampled illumination is made to approach the target illumination by shifting to selection of a lighting device including at least one of a lighting device other than the selected lighting device.
5. (Previously Presented) The lighting control system according to claim 3,
wherein the lighting devices including at least one of the selected lighting devices are all the lighting devices of the two or more lighting devices.
6. (Original) A lighting control system, having two or more lighting devices and one or more illumination comparing devices,
wherein the illumination comparing device is provided with an illumination information storage portion that stores at least one piece of illumination information indicating a target illumination, at least one illumination sampling portion that samples an illumination, and a judgment portion that judges a relation between the target illumination indicated by the illumination information and a sampled illumination sampled by the illumination sampling portion, wherein the judgment portion supplies the judgment result to the lighting devices,
the lighting devices are respectively provided with a judgment control portion and a light source, wherein the judgment control portion carries out a predetermined judgment based on the acquired judgment result so that the light intensity of the light source can be controlled based on a result of the predetermined judgment, and the control of the light intensity includes light variation control in which the light intensity is varied from a current light intensity by a predetermined amount of light variation and return control in which a return is made in a direction reverse to the light variation control, and

the judgment control portion carries out the predetermined judgment after at least one selected lighting device from the lighting devices carries out the light variation control at least one time, after which a lighting device including at least one lighting device other than the selected lighting device is selected and, after the light variation processing has been carried out at least one time in the selected lighting device, the judgment control portion carries out the predetermined judgment and when the predetermined judgment is that the predetermined condition is unmet, the lighting device including at least one of the selected lighting devices carries out the return control in order to meet the predetermined condition to make the sampled illumination approach the target illumination.

7. (Original) A lighting control system, having two or more lighting devices and two or more illumination comparing devices,

wherein the illumination comparing device is provided with an illumination information storage portion that stores illumination information indicating a target illumination, an illumination sampling portion that samples an illumination, and a judgment portion that judges a relation between the target illumination indicated by the illumination information and a sampled illumination sampled by the illumination sampling portion, wherein the judgment portion supplies the judgment result to the lighting devices,

the lighting devices are respectively provided with a judgment control portion and a light source, wherein the judgment control portion carries out a predetermined judgment based on the acquired judgment result so that the light intensity of the light source can be controlled based on a result of the predetermined judgment, and the control of the light intensity includes light variation control in which the light intensity is varied from a current light intensity by a predetermined amount of light variation and return control in which a return is made in a direction reverse to the light variation control, and

the judgment control portion carries out the predetermined judgment after at least one selected lighting device from the lighting devices carries out the light variation control at least one time, after which a lighting device including at least one lighting device other than the selected lighting device is selected and, after the light variation processing has been carried out at least one

time in the selected lighting device, the judgment control portion carries out the predetermined judgment and when the predetermined judgment is that the predetermined condition is unmet, the lighting device including at least one of the selected lighting devices carries out the return control in order to meet the predetermined condition to make the sampled illumination approach the target illumination.

8. (Previously Presented) The lighting control system according to claim 6, wherein after at least one of the two or more lighting devices is selected and a light intensity is subjected to the light variation control, when the predetermined condition is judged to be met according the predetermined judgment of the judgment control portion of the selected lighting device, the sampled illumination is made to approach the target illumination by shifting to the light variation control of a light intensity of a light source of a lighting device including at least one of a lighting device other than the selected lighting device, and when the predetermined condition is judged to be unmet, the light intensity of the light source of the lighting device including at least one of the selected lighting devices is subjected to return control to meet the predetermined condition, after which a lighting device including at least one lighting device other than the selected lighting device is selected and light variation control is carried out to make the sampled illumination approach the target illumination.

9. (Previously Presented) The lighting control system according to claim 6, wherein at least one lighting device of the two or more lighting devices is selected and light variation control is performed until the predetermined condition becomes unmet, and when the predetermined condition becomes unmet, a light intensity of a light source of a lighting device including at least at one of the selected lighting devices is subjected to return control to meet the predetermined condition, after which a lighting device including at least one lighting device other than the selected lighting device is selected and light variation control is carried out to perform control such that the sampled illumination is made to approach the target illumination.

10. (Previously Presented) The lighting control system according to claim 8,

wherein the lighting devices, including at least one of the selected lighting devices that is subjected to the return control, are all the lighting devices of the two or more lighting devices.

11. (Previously Presented) The lighting control system according to claim 6, wherein at least one lighting device of the two or more lighting devices is selected and light variation control is performed until the predetermined condition becomes unmet, and when the predetermined condition becomes unmet, light intensities of light sources of the two or more lighting devices excluding the selected lighting device are subjected to light variation control, and when a large-small relation between the sampled illuminations and the corresponding target illuminations does not become a reverse relation in contrast to when the predetermined condition is being met, the light intensities of light sources of the two or more lighting devices excluding the selected lighting device are subjected to return control and after return control is conducted such that the light intensity of the light source of the selected lighting device returns to a previous direction, at least one lighting device different from the selected lighting device is selected and light variation control is carried out to perform control such that the sampled illumination is made to approach the target illumination.

12. (Original) A lighting control system, comprising two or more lighting devices and one or more illumination comparing devices,

wherein the illumination comparing device is provided with an illumination sampling portion that samples illumination, an illumination information storage portion that stores illumination information indicating a target illumination, and a comparison result transmitter portion, wherein a comparison result in which a sampled illumination sampled by the illumination sampling portion and the illumination information are compared is transmitted to the lighting devices by the comparison result transmitter portion,

the lighting devices are respectively provided with a transmitter-receiver portion having at least a receiver function, a judgment control portion, and a light source; the transmitter-receiver portion receives the comparison result sent by the illumination comparing device; the judgment control portion carries out a predetermined judgment based on the comparison result so that the light intensity of the light source can be controlled based on a result of the predetermined judgment, and

the control of the light intensity includes light variation control in which the light intensity is changed from a current light intensity and return control in which a light intensity is returned to a direction reverse to the light variation control,

the lighting devices respectively carry out the light variation control and, after the light variation control, when the predetermined judgment is that a predetermined condition is unmet, the lighting devices carry out the return control in order to meet the predetermined condition, and

the sampled illuminations of the lighting devices are made to approach the target illumination by setting an amount of light variation in the light variation control as one of an amount varied randomly based on a predetermined amount of light variation, an amount that is a return amount of light in the return control randomly varied, or an amount in which both are randomly varied.

13. (Previously Presented) The lighting control system according to claim 3, wherein prior to selection of the lighting devices, the light intensities of the light sources of all the lighting devices are set to a maximum light intensity or a minimum light intensity capable of being produced by all the lighting devices, or when the predetermined condition is not met, the light intensities of all the lighting devices are varied in a light variation direction of the return control in order to meet the predetermined condition.

14. (Previously Presented) The lighting control system according to claim 3, wherein when there is a single illumination sampling portion in the lighting control system, the judgment control portion judges that the predetermined condition is met when the sampled illumination is in a constant relation with the target illumination and judges that the predetermined condition is unmet when the sampled illumination is not in a constant relation with the target illumination, and

when there are two or more illumination sampling portions, the judgment control portion judges that the predetermined condition is met when the sampled illuminations are all in a constant relation with the corresponding target illuminations and judges that the predetermined condition is unmet when even one is not in a constant relation.

15. (Original) The lighting control system according to claim 14, wherein the aforementioned “in a constant relation” is a relation in which the sampled illumination is larger than the corresponding target illumination and the predetermined amount of light variation in a case of this relation is an amount of light reduction.

16. (Original) The lighting control system according to claim 14, wherein the aforementioned “in a constant relation” is a relation in which the sampled illumination is smaller than the corresponding target illumination and the predetermined amount of light variation in a case of this relation is an amount of light increase.

17. (Previously Presented) The lighting control system according to claim 3, wherein the predetermined amount of light variation is an amount of light variation based on a difference between an initial light intensity and a threshold light intensity of a light source.

18. (Original) The lighting control system according to claim 17, wherein the threshold light intensity is a light intensity of when light intensities of the two or more lighting devices are changed from the initial light intensity and the predetermined condition becomes unmet, or immediately prior to the predetermined condition becoming unmet.

19. (Previously Presented) The lighting control system according to claim 3, wherein at least one of the predetermined amount of light variation and the return control amount of light is an amount of light variation based on a differential illumination between the sampled illumination and the target illumination.

20. (Previously Presented) The lighting control system according to claim 3, wherein at least one of the predetermined amount of light variation and the return control amount of light is set for each of the light sources.

21. (Previously Presented) The lighting control system according to claim 3, wherein at least one of the predetermined amount of light variation and the return control amount of light is reduced in response to a convergence in which the sampled illuminations approach the target illuminations, or reduced along with a passing of time until convergence.

22. (Previously Presented) The lighting control system according to claim 3, wherein a selection number of the selected lighting devices is made to approach one in response to a convergence in which the sampled illuminations approach the target illuminations.

23. (Original) A lighting control system, comprising two or more lighting devices and one or more illumination comparing devices,

wherein the illumination comparing device is provided with an illumination sampling portion that samples illumination, an illumination information storage portion that stores illumination information indicating a target illumination, and a comparison result transmitter portion, wherein a comparison result, in which a sampled illumination sampled by the illumination sampling portion and the target illumination indicated by the illumination information are compared, is transmitted by the comparison result transmitter portion,

the two or more lighting devices are respectively provided with a transmitter-receiver portion having at least a receiver function, a judgment control portion, and a light source; the transmitter-receiver portion receives the comparison result sent by the comparison result transmitter portion; the judgment control portion carries out a predetermined judgment based on the received comparison result so that the light intensities of the light sources can be controlled based on the judgment, and

the judgment control portion of at least one of the two or more lighting devices randomly changes the light intensities of the light sources and the sampled illuminations are made to approach the target illuminations by narrowing a range in which the judgment control portion randomly changes the light intensities based on the comparison result received at the transmitter-receiver portion.

24. (Original) The lighting control system according to claim 23,

wherein the light intensities of all the two or more lighting devices are respectively changed randomly and the sampled illumination is made to approach the target illumination by narrowing a range in which the judgment control portion randomly changes the light intensity based on the comparison result received at the transmitter-receiver portion.

25. (Previously Presented) The lighting control system according to claim 23, wherein a plurality of illumination comparing devices are provided, the judgment control portions of the two or more lighting devices total the comparison results received from the plurality of illumination comparing devices to calculate an evaluation value and the sampled illuminations are made to approach the target illuminations by narrowing a range of randomly changed light intensities based on the evaluation value.

26. (Previously Presented) The lighting control system according to claim 23, wherein the illumination comparing device compares the sampled illuminations and the corresponding target illuminations and transmits illumination difference information as the comparison result so that the received comparison result is evaluated in the judgment control portion of at least one of the lighting devices, and narrows the range in which light intensities are randomly changed so as to increase an occurrence rate of light intensities corresponding to evaluations of small illumination differences indicated by the illumination difference information and make the sampled illuminations approach the target illuminations.

27. (Previously Presented) The lighting control system according to claim 23, wherein the illumination comparing device transmits large-small information indicating which of the sampled illumination and the corresponding target illumination is larger, and the judgment control portion of the at least one lighting device of the two or more lighting devices counterbalances large information and small information of the large-small information based on the received comparison result to narrow a range in which light intensities are randomly changed so as to make the sampled illuminations approach the target illuminations.

28. (Cancelled)

29. (Cancelled) .

30. (Currently Amended) ~~A light source comprising the lighting control system~~ The lighting control system according to claim 3, wherein the light control system further comprises a light source.

31-51. (Cancelled)